

FIG. 1A

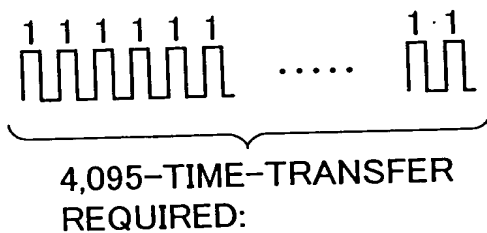
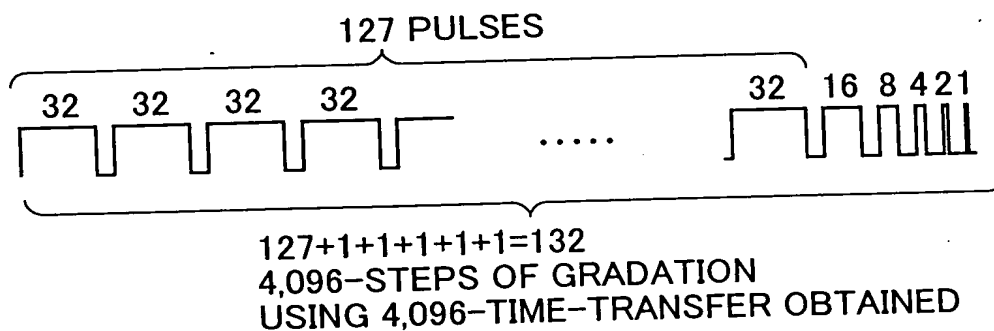


FIG. 1B



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FIG. 3A

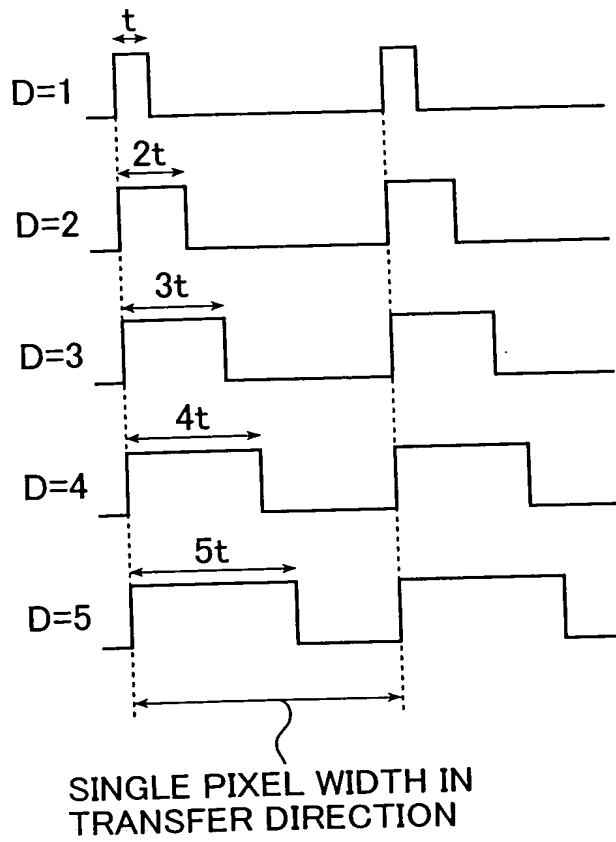
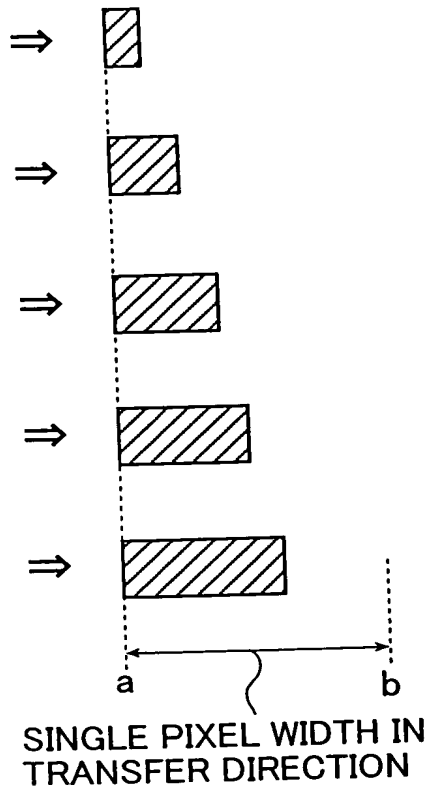


FIG. 3B



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FIG. 4 (TABLE 1)

$\text{"width 32"} \times 127 + \text{"width 16"} + \text{"width 8"} + \text{"width 4"} + \text{"width 2"} + \text{"width 1"}$ (132 steps of dispersion, 132 pulse transfers)
$\text{"width 16"} \times 225 + \text{"width 8"} + \text{"width 4"} + \text{"width 2"} + \text{"width 1"}$ (259 steps of dispersion, 259 pulse transfers)
$\text{"width 8"} \times 511 + \text{"width 4"} + \text{"width 2"} + \text{"width 1"}$ (514 steps of dispersion, 514 pulse transfers)

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The diagram illustrates the timing of a single pixel recording cycle, divided into three energy levels: Low Energy, Middle Energy, and High Energy. The cycle is segmented into 13 time slots, labeled P1 through P132. The first three slots (P1-P3) are used for the Low Energy level, the next seven (P4-P10) for the Middle Energy level, and the final three (P11-P13) for the High Energy level. The number of pulses and the number of bits to be used for each level are indicated in the table below.

Pulse Number	Pulse Length	Bit to be Used
P1	32	11
P2	32	9
P3	32	10
P4	32	32
P5	32	32
P6	32	32
P7	32	32
P8	32	32
P9	32	32
P10	32	32
P11	32	32
P12	32	32
P13	32	32

FIG. 6 (TABLE 3)

BIT TO BE USED : 0~11												DATA LEVEL 1027												
DISPERSION	PIXEL POSITION(0~191)																							
	0	1	2	3	4	5	6	7	8	9	10	184 185 186 187 188 189 190 191												
0	11	8	11	10	11	9	11	10	11	5	11	10	11	9	11	10	11	8	11					
1	10	11	7	11	10	11	9	11	10	11	8	11	10	11	9	11	10	11	5					
2	11	10	11	8	11	10	11	9	11	10	11	7	11	10	11	9	11	10	11					
3	9	11	10	11	6	11	10	11	9	11	10	11	8	11	10	11	9	11	10					
4	11	9	11	10	11	8	11	10	11	9	11	10	11	6	11	10	11	9	11					
5	10	11	8	11	10	11	7	11	10	11	9	11	10	11	8	11	10	11	9					
6	11	10	11	9	11	10	11	8	11	10	11	9	11	10	11	7	11	10	11					
7	8	11	10	11	9	11	10	11	5	11	10	11	10	11	9	11	10	11	10					
8	11	7	11	10	11	9	11	10	11	8	11	10	11	9	11	10	11	5	11					
9	10	11	8	11	10	11	9	11	10	11	7	11	10	11	9	11	10	11	8					
10	11	10	11	6	11	10	11	9	11	10	11	8	11	10	11	9	11	10	11					
11	8	11	10	11	8	11	10	11	9	11	10	11	6	11	10	11	9	11	10					
⋮	⋮												⋮											
125	10	10	11	9	11	10	11	7	11	10	11	9	11	10	11	8	11	10	11					
126	11	11	10	11	9	11	10	11	8	11	10	11	9	11	10	11	7	11	10					
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
128	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
129	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
130	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
131	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					

FIG. 7 (TABLE 4)

132 DISPERSION 16×127+1+2+4+8

DATA LEVEL 1027

DISPERSION NUMBER OF DATA TO BE RECORDED (0~131)	PULSE WIDTH	PIXEL POSITION (0~191)																NUMBER OF ON- PULSES AT EACH TIME
		COMMAND VALUE	0	1	2	3	4	5	6	7	8	9	10	1027	1027	1027	1027	
0	32	0	0	0	32	0	0	0	0	32	0	0	0	0	0	32	0	49
1	32	32	0	0	0	32	0	0	0	0	32	0	0	32	0	0	0	48
2	32	0	32	0	0	0	32	0	0	0	0	32	0	0	32	0	0	48
3	32	0	0	32	0	0	0	32	0	0	0	0	32	0	0	0	32	49
4	32	0	0	0	32	0	0	0	32	0	0	0	0	0	0	32	0	49
5	32	32	0	0	0	0	32	0	0	0	32	0	0	32	0	0	0	47
6	32	0	32	0	0	0	0	32	0	0	0	32	0	0	0	32	0	49
7	32	0	0	32	0	0	0	0	32	0	0	0	32	0	0	0	32	48
8	32	0	0	0	32	0	0	0	0	32	0	0	0	0	0	32	0	48
9	32	32	0	0	0	32	0	0	0	0	32	0	0	32	0	0	0	49
10	32	0	32	0	0	0	32	0	0	0	0	32	0	0	32	0	0	49
11	32	0	0	32	0	0	0	0	32	0	0	0	32	0	0	0	32	49
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
125	32	32	0	0	0	0	32	0	0	0	0	32	0	0	32	0	0	48
126	32	0	32	0	0	0	0	32	0	0	0	0	32	0	0	0	32	49
127	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	193
128	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	193
129	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0